

20030530.ba v03_n495.bam.20030530

>From ???@??? Fri May 30 09:53:20 2003 -0500
Message-Id: <200305301453.h4UErFAF009761@sco.theporch.com>
Date: Fri, 30 May 2003 09:53:04 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 3495

BOATANCHORS Digest 3495

Topics covered in this issue include:

- 1) Re: Question For The Experts--BC-1421
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 2) Was experts... now - BC-624, 638, 639, & maybe 1420, 1421
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 3) Re: Question For The Experts--BC-1421
by Hans Jense <hans.jense@planet.nl>
- 4) Re: Question For The Experts--BC-1421
by "Ken Warren" <Ken_Warren@beavton.k12.or.us>
- 5) DX-100 loading cap question
by Richard Post <postr@ohiou.edu>
- 6) Re: Conecticut Museums
by Larry Bearse <lbearse@rcn.com>
- 7) Hartford Ct. Museum
by Smith <smithab11@comcast.net>
- 8) Re: Hartford Ct. Museum
by John Dilks - K2TQN <oldradio@worldnet.att.net>
- 9) FS Radio TV News - 57 issues. aka Electronics World.
by "R.J. Mattson" <rjmattson@hvi.net>
- 10) Packset 8907
by "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
- 11) SOLD Radio TV News - 57 issues.
by "R.J. Mattson" <rjmattson@hvi.net>
- 12) SB 200 schematic wanted
by K6KWQ@aol.com
- 13) COLLINS AUDIO TX FS
by jackiv@juno.com
- 14) Re: DX-100 loading cap question
by Edward Knobloch <k4pf@juno.com>
- 15) Galaxy P/S Manual needed
by Bob Kemp <bkemp@bobkemp.com>
- 16) Thanks for the schematic
by K6KWQ@aol.com
- 17) Kon-Tiki NC-173 & others
by Mike Steussy - AE4R <ae4r@erols.com>
- 18) FS: National and Millen Dials and Dial Assemblies

- by Dave Hollander <n7rk@cox.net>
- 19) Wholesale hogwash
by "Arden Allen" <gumbear@pacbell.net>
 - 20) Re: Wholesale hogwash
by hankkarn <hankarn@pacbell.net>
 - 21) Hogwash and noisy power supplies.
by "Herbert M. Rosenthal" <herbrose@comcast.net>
 - 22) Re: Hogwash and noisy power supplies.
by Benjamin Hall <kd5byb@earthlink.net>
 - 23) Re: Wholesale hogwash
by Dave Hollander <n7rk@cox.net>
 - 24) Re: Kon-Tiki NC-173 & others
by "A. B. Bonds" <ab@vuse.vanderbilt.edu>

Date: Tue, 27 May 2003 06:56:37 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200305271056.GAA18553@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Question For The Experts--BC-1421

Liles one Fred Chesson with Robert Downs help published a list of all "BC" equipments in the 1991 AWA (yearly) Journal.

The BC-1421 ID only says it's a 100-156 rx. It has a complement, the BC-1420 that's the frequency meter companion. Kind of like what the BC-638 is to the BC-639.

And if those two are coupled along with a vertical dipole called RC-81, the whole ensemble was called the RC-256.

RC ensembles were small groupings of gear like the SCR ensembles were larger groupings.

Example is the SCR-299 was a BC-610, a BC-342, an antenna, a housing, and a generator on a trailer.

The BC-1421 is the LAST BC-number & if only for that, a neat thing to have. And I bet you're right, it's a BC-639 with a built-in power supply, the one called a RA-42.

Note I'll have a BC-639 and RA-42 for sale at Atlanta Hamfest.

Sure was a lot of typing for a commercial, huh?

Marty

Date: Tue, 27 May 2003 07:26:59 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aa4rm.ba-watch.org>
Message-Id: <200305271126.HAA18642@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Was experts... now - BC-624, 638, 639, & maybe 1420, 1421

Every one of these has the same 100-156 front-end. 2 9003s & a 9001.
I think those tubes were the stubby 7-pin equivalents of the acorn
955 & 956 and the 1st 6.3vac 7-pin miniature tubes.

That family of receivers was a GREAT example of exploiting a single
good thing!

Date: Tue, 27 May 2003 19:46:26 +0200
From: Hans Jense <hans.jense@planet.nl>
Subject: Re: Question For The Experts--BC-1421
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <23A1AF2A-906B-11D7-B909-000A95665B52@planet.nl>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII; format=flowed
Content-transfer-encoding: 7BIT

I too have a BC-1421 (picked it up when I was living in California
several years ago). I need to look at it, because as far as I know it
doesn't have a built in power supply. When I put a question on the list
after acquiring it as to its original purpose, I was told by some
listmember that it was a derivative of the BC-639, probably for use in
the early years of the US nuclear testing program after WW2. Can anyone
confirm/deny that (possibly with reference to documentation?)

Regards (from Rijswijk, The Netherlands)

-- Hans Jense, PE9HLA, SRS 97313 (that's Surplus Radio Society member
313, joined in 1997)

Liles and Naomi Garcia heeft op dinsdag, 27 mei 2003 om 10:09
(Europe/Amsterdam) het volgende geschreven:

> Good evening Everybody,
>
> I have a friend that has a BC-639-A. I am familiar with the BC-639-A,
> but he also has a BC-1421 that looks identical to his BC-639-A. I
> have a BC-639-A and I know that it needs a separate power supply. My
> friend's BC-1421 has a built-in power supply. Can some of you experts
> give me a hand and tell me what the BC-1421 is?? The two receivers
> look the same from their front panels. Am I overlooking something??

> Thanks in advance for any help you all can give me.
>
> Regards from Aloha, Oregon,
> Liles Garcia
> landn@easystreet.com
>
>
>

Message-id: <fc.004c4c3103c1294d3b9aca0003a9511a.3c12f15@beavton.k12.or.us>
Date: Tue, 27 May 2003 11:21:00 -0700
Subject: Re: Question For The Experts--BC-1421
To: Old Tube Radios <boatanchors@theporch.com>
From: "Ken Warren" <Ken_Warren@beavton.k12.or.us>
MIME-Version: 1.0
Content-type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

I also had a BC-1421 many years ago along with a BC-639. The 1421 I had used an external power supply and worked with the RA-42 ps from a BC-639. It also had a blue crackle front panel. I believe there was some difference in the squelch circuit from the BC-639 but the rest of the circuit was the same.

Ken K7RPX

Mime-Version: 1.0
Message-Id: <p05200f07baf971492cd5@[132.235.45.16]>
Date: Tue, 27 May 2003 17:17:42 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Richard Post <postr@ohiou.edu>
Subject: DX-100 loading cap question
Content-Type: text/plain; charset="us-ascii" ; format="flowed"

Anchorites,

Have been working on a Heath DX-100. Cosmetics poor to fair depending upon where you look :-). (But the price was right.).

Got it working after locating a shorted octagonal cap in the coarse loading circuit. (Strange little three way cap with 400, 600, and 800 pf legs.) Replaced it partly with some hi-voltage transmitting micas. Still need the 800 pf section. Have worked on lots of receivers but on relatively few transmitters so pardon the Novice-level question. What caps does this thing want? I assume that RF heating may be an issue and most ceramics are therefore a

no-no.

The 2500 volt transmitting micas are probably overkill considering the spacing of the variable cap in parallel with these.

Thanks for info.

73,

Rich

Boatanchor Pix - KB8TAD
<<http://switch.to/BA>>

Message-Id: <4.3.2.7.2.20030527203243.00e0d940@pop3.norton.antivirus>
Date: Fri, 27 Jun 2003 20:45:20 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Larry Bearse <lbearse@rcn.com>
Subject: Re: Conecticut Museums
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 01:22 PM 5/26/03, you wrote:

>Hi Gang:
>I think I remember hearing and reading that there is a radio museum in
>Connecticut some where? Can anybody give me info on times day and where it
>is.
>
>I will be at Hartford, Ct. and Plainfield, Ct.for one day.
>Ed
>WA3BZT

Yes Ed, there is one in Windsor. I don't know which day you will be there but, they aren't open every day. I suggest that you give a phone call at (860) 683-0496 , to set up something. The website suggest Saturdays as the best time to show up there. Also, there is a swap meet coming up there on June 7. I should be attending that one. I heard that they have gotten massive quantities of donations lately. And the museum building is plenty big enough for storing goodies. The club has a ham station, and ham club with its own call now. Windsor is located just north of Hartford. website: <http://www.nationalcommunicationsmuseum.org/home.html>

73.....Larry WA1LGQ

Date: Tue, 27 May 2003 21:57:33 -0400
From: Smith <smithab11@comcast.net>
Subject: Hartford Ct. Museum
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <003e01c324bc\$812a7200\$daf22144@dover01.de.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

Concerning museums , I have heard that the excellent display that was in the entrance to the ARRL headquarters has been removed. Is this true? Had anyone been there recently. Is this the end for the Wouff-hong and the Rettysnitch?

Breck Smith K4CHE Dover, Delaware,
annt nutten in Dover, except chickens, a NASCAR track and hams that can't solder.
but the beach is close.

Message-Id: <5.1.1.6.0.20030527225848.026dae60@ipostoffice.worldnet.att.net>
Date: Tue, 27 May 2003 22:58:57 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: John Dilks - K2TQN <oldradio@worldnet.att.net>
Subject: Re: Hartford Ct. Museum
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:57 PM 5/27/03 -0400, Smith wrote:
>Concerning museums , I have heard that the excellent display that was in the
>entrance to the ARRL headquarters has been removed. Is this true? Had anyone
>been there recently. Is this the end for the Wouff-hong and the Rettysnitch?

No.

Message-ID: <012601c324ca\$960f88a0\$8b6cdbd0@rjmattson>
From: "R.J. Mattson" <rjmattson@hvi.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS Radio TV News - 57 issues. aka Electronics World.
Date: Tue, 27 May 2003 23:38:19 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: RADIO TV NEWS. 57 issues. 1944 to 1960. \$20.00
Sample: <http://www.hvlnet.com/rjmattson/radiotvnews>
Bob Mattson...W2AMI

Date: Wed, 28 May 2003 18:52:16 -0400 (EDT)
From: "Marty's Refl. Drop" <polepeeg@aaa4rm.ba-watch.org>
Message-Id: <200305282252.SAA24366@aaa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Packset 8907

This devil is neat! Have 2 here. Labeled AT&T Atlanta Region P-20 & P-31

Xtal controlled OD aluminum-cased things ablut 5" D, 12" H, 10" W. Dual compartments w. 3 big 45V & some A & C batteries in bottom and trans-rcvr up top. Fairly modern Marion tune-up meter.

5 3A4s in tx, 7 tubes like 1T4, 3V4, etc. in rx.

Xtal controlled rx & tx. Mine are on 3980* & bet some ham once used 'em

One label carries "part no. 6043" ID which in fact may be a Sept. 1960 date code.

The horizontal handle unscrews & telescopes out to a 10' whip which sits on a stowed loading coil.

Inside ID says good for 8 mi! Quite a leg up on BC-611 which are in same band.

Stromberg handset & a built-in speaker. Latter can be sub'd for rx out.

This smacks of the Forest Service stuff herr kargokult savors. Wonder how AT&T employed 'em?

Anyone venture some info? Have best one in car & pics to follow

Thanks,

Marty

*rx is 3525, hence 455 IF.

Message-ID: <010701c3257a\$9148a1c0\$bc6cdbd0@rjmattson>
From: "R.J. Mattson" <rjmattson@hvi.net>
To: Old Tube Radios <boatanchors@theporch.com>

Subject: SOLD Radio TV News - 57 issues.
Date: Wed, 28 May 2003 20:38:02 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

SOLD Radio TV News. Thanks to all who replied.
Bob...W2AMI

----- Original Message -----

For Sale: RADIO TV NEWS. 57 issues. 1944 to 1960. \$20.00
Sample: <http://www.hvinet.com/rjmattson/radiotvnews>
Bob Mattson...W2AMI

From: K6KWQ@aol.com
Message-ID: <63.1d97b47a.2c07b47b@aol.com>
Date: Thu, 29 May 2003 15:07:39 EDT
Subject: SB 200 schematic wanted
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_63.1d97b47a.2c07b47b_boundary"

--part1_63.1d97b47a.2c07b47b_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I need a schematic for a Heathkit SB 200 amp. I have tried BAMA but can not
download or print the one they have. Can some one scan one and send to me?
Thanks

K6KWQ
12 volt radios are for sissies
real radios can kill you.
QR0? Still can't make it? You need "more power"

--part1_63.1d97b47a.2c07b47b_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* * * * *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *

* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *

--part1_63.1d97b47a.2c07b47b_boundary--

To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 29 May 2003 17:48:17 -0500
Subject: COLLINS AUDIO TX FS
Message-ID: <20030529.174839.2404.0.jackiv@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: jackiv@juno.com

I have here a small audio output tx for sale, it appears nos.
as follows collins p/n 667 0016 00, pri 5000 ohms, sec 500 or 4 ohms
at 3 watts.
asking 24.00 USD shipped to lower 48.
I have some other collis tx of mil style, 500 to 4 ohms and other audio
type.
please reply direct. tnx es 73 Jack jackiv@juno.com

To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Date: Thu, 29 May 2003 20:05:43 -0400
Subject: Re: DX-100 loading cap question
Message-ID: <20030529.200543.568.0.k4pf@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
From: Edward Knobloch <k4pf@juno.com>

On Tue, 27 May 2003 17:17:42 -0400 Richard Post <postr@ohiou.edu> writes:
> Have been working on a Heath DX-100. ...
> Got it working after locating a shorted octagonal cap in the coarse
> loading circuit. (Strange little three way cap with 400, 600, and
> 800
> pf legs.) Replaced it partly with some hi-voltage transmitting
> micas. Still need the 800 pf section. Have worked on lots of
> receivers but on relatively few transmitters so pardon the
> Novice-level question. What caps does this thing want? I assume
> that RF heating may be an issue and most ceramics are therefore a

> no-no.
>

QST, Jan '52 had a pi net rig by George Grammer with fixed output loading.

The author said that postage-stamp micas were OK for a 100W output a.m. rig with 4 to 1 SWR (500V working). He recommended 1200 V micas for a KW level rig.

73,
Ed K4PF@juno.com

Message-ID: <3ED6A90E.2010203@bobkemp.com>
Date: Thu, 29 May 2003 19:42:54 -0500
From: Bob Kemp <bkemp@bobkemp.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Galaxy P/S Manual needed
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Anyone have the AC-400 manual for the Galaxy V mk III?
Could use a schematic and picture of it.
Thanks.
Bob.

From: K6KWQ@aol.com
Message-ID: <12d.2aa0b873.2c080ea9@aol.com>
Date: Thu, 29 May 2003 21:32:25 EDT
Subject: Thanks for the schematic
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: multipart/alternative;
boundary="part1_12d.2aa0b873.2c080ea9_boundary"

--part1_12d.2aa0b873.2c080ea9_boundary
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks to all that responded on the Heath SB 200 schematic. Got it and back in business.
Dick

K6KWQ
12 volt radios are for sissies

real radios can kill you.
QR0? Still can't make it? You need "more power"

--part1_12d.2aa0b873.2c080ea9_boundary
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

```
* * * * *
*      ---REMAINDER OF MESSAGE TRUNCATED---      *
*      This post contains a forbidden message format      *
*      (such as an attached file, a v-card, HTML formatting) *
*      Mail Lists at theporch.com only accept PLAIN TEXT      *
*      If your postings display this message your mail program *
*      is not set to send PLAIN TEXT ONLY and needs adjusting *
* * * * *
```

--part1_12d.2aa0b873.2c080ea9_boundary--

Message-ID: <3ED58537.6050609@erols.com>
Date: Wed, 28 May 2003 23:57:43 -0400
From: Mike Steussy - AE4R <ae4r@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Kon-Tiki NC-173 & others
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Ahoy! I remember there was a string several years ago about the Lost National NC-173 receiver, but I didn't save the messages as I wasn't really interested in ever owning same. (I have an NC-183D.) I dimly recall someone writing the Kon Tiki radio disappeared in a military supply depot, or some such place. About the same time (give or take a year or so) of this string, a really sad looking specimen was offered for sale at EEB, the ham radio emporium here in Vienna that went out of business a few years back. It had some ugly mods, looked beat up, and was known to have a shorted power transformer. Couldn't get more pathetic than that. For months it sat forlornly in the store. Almost no one gave it a second glance after seeing the \$75 price.

Out of the goodness in his heart, my buddy Hap ended buying it when EEB went under. All in good fun, I commended him for saving THE Kon-Tiki radio. After all, this one looked like it might have made that voyage (and maybe several others). Since then, what started out as just kidding around has become speculation that Hap's radio might in fact be the One. Hap himself hasn't spoken on the matter, but must be wondering. If any reader saved that string, would he/she please forward it to me? I'll pass it on to Hap and other local hams interested in

this story. If anyone knows the real fate of that radio or advice on what to check (serial number, etc.) in case this one MIGHT actually be it, please advise.

On the subject of NC-173s, my friend Jim, who attended the Dayton Hamvention, wrote in an e-mail that he "saw one bad repaint (non stock National color) and several small dents which was selling for \$350! He would not budge and said he will have it sold by Sunday. There was another that looked like it had been dropped from the highest floor of the Empire State Building that had a price tag of \$285."

73, Mike Steussy AE4R
Vienna Virginia USA

Message-ID: <3ED6DB4D.9F81A22D@cox.net>
Date: Thu, 29 May 2003 21:17:17 -0700
From: Dave Hollander <n7rk@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: FS: National and Millen Dials and Dial Assemblies
Content-Type: text/plain; charset=iso-8859-1; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 8bit

Here are some neat National and Millen parts for sale. Prices do not include shipping.

National Type MCN Dial - new in the boxö..\$60 plus shipping

Photos:

<http://members.cox.net/radiostuff9/mcn.jpg>

<http://members.cox.net/radiostuff9/mcn2.jpg>

National Type K Dial Assembly - New in the Boxööö..\$35

Photos:

http://members.cox.net/radiostuff9/type_k.jpg

http://members.cox.net/radiostuff9/type_k2.jpg

Large Millen Dial - New in the boxöö..\$20 plus shipping

Photos:

<http://members.cox.net/radiostuff9/millendial.jpg>

National Type SCN Dial - New in the Box.....\$65 plus shipping

Photos:

http://members.cox.net/radiostuff9/scn_dial.jpg

National Type ACN Dial - New in the Box.....\$75 plus shipping

Photos:

http://members.cox.net/radiostuff9/type_acn.jpg

Matched Pair of Large Millen Dials.....\$35 plus shipping
Don't know if these are new but they are in excellent condition
Photos:

<http://members.cox.net/radiostuff9/2millendials.jpg>

National HRO Drive with Variable Capacitor\$100 plus shipping
Looks new - no box. Their was a loose PW dial on this hence the marks on

the shaft

Photos:

<http://members.cox.net/radiostuff9/hrodrive.jpg>

<http://members.cox.net/radiostuff9/hrodrive2.jpg>

National HRO Drive\$50 plus shipping
Good condition - no box.

Photos:

<http://members.cox.net/radiostuff9/2ndhrodrive.jpg>

<http://members.cox.net/radiostuff9/2ndhrodrive2.jpg>

National Black PW Dials \$75 each plus shipping
Two of these. Here is a chance to replace that chipped up dial on your
HRO receiver.

These look to be new. No box - a couple of very tiny paint chips

Photos:

<http://members.cox.net/radiostuff9/hrodial.jpg>

<http://members.cox.net/radiostuff9/hrodial2.jpg>

<http://members.cox.net/radiostuff9/hrodial3.jpg>

<http://members.cox.net/radiostuff9/hrodial4.jpg>

I will ship overseas.

You can check my user ID "n7rk" on Eb*y
for a reference as to dealing with me.

Thanks for looking and 73,

Dave N7RK

--

Dave N7RK <http://members.cox.net/n7rk>

Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector Extraordinaire preferring
Hallicrafters, National and what ever else looks interesting!

Message-ID: <001001c32681\$686ff430\$e7e47443@KB6NAX>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Wholesale hogwash
Date: Fri, 30 May 2003 00:58:58 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would prefer to use a more profane title for this submission but in the interest of ordinary decency I will restrain myself as best as possible. I present for your consideration a so-called "white paper" that I deigned to read at the risk of losing my dinner. So you are forewarned.

http://www.curcioaudio.com/Audibility_of_PwrSupply.htm

Hint: Have you boned up on the purpose of capacitors in electronics lately?

Enjoy.....

Arden Allen
KB6NAX
735 Sixth St.
Vallejo, CA 94590
gumbear@pacbell.net

Date: Fri, 30 May 2003 05:51:34 -0700
From: hankkarn <hankarn@pacbell.net>
Subject: Re: Wholesale hogwash
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3ED753D6.9090704@pacbell.net>
MIME-version: 1.0
Content-type: text/plain; format=flowed; charset=us-ascii
Content-transfer-encoding: 7bit

Arden,
I agree if Hot Air could melt all of the ice in Greenland, this guy would melt all of the ice in the world.
WOW!!
Hank
KN6DI

Date: Fri, 30 May 2003 07:38:39 -0600
From: "Herbert M. Rosenthal" <herbrose@comcast.net>
Subject: Hogwash and noisy power supplies.
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <3ED75ED7.A573732F@comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

We have a music editor in the local paper (Albuquerque) who is at least as effusive and overly-eloquent as the writer of this power supply blurb.

It's impossible for her to simply write, "the orchestra was excellent last night". Rather, she spews a gazillion words at us that I have not heard in 73 years, dissecting a Bach sonata or poor Mozart, one note at a time. I presume she is paid by the column inch.

On the power supply article, however, I think the message was lost by the tongue of the messenger. There is truth, without a doubt, that any unwanted amplitude variation (modulation) on a plate (or screen) supply will be seen by the next stage as signal... along with the desired, amplified signal from this previous stage. Take ac hum in an 'all-star-5', for example: without a good 20/20/150v filter capacitor, nothing but hum. Same with a filament-to-cathode short in a stage, and ditto (the filament voltage, ac, modulates the cathode current). Of course the speaker is incapable of reproducing the remaining hum.

I have this with the audio from my TV set; If I try to record the TV sound track onto an audio recorder, through my stereo, lots of hum.. reversing the TV plug in the wall doesn't help. But I cannot hear it in the TV's 5" speakers.

So what's wrong with striving to use a rock-solid dc power supply-100% pure dc, all the time? Makes sense to me.

Herb Rosenthal W5AN

Message-ID: <3958382.1054304594856.JavaMail.nobody@donald.psp.pas.earthlink.net>
Date: Fri, 30 May 2003 07:23:30 -0500 (CDT)
From: Benjamin Hall <kd5byb@earthlink.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Hogwash and noisy power supplies.
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've got to agree - a good, well-filtered power supply is required for any level

of good audio reproduction. If I were to build a stereo amplifier, be it tube or solid state, I'd over-filter the power supply for sure. Any problems with the power supply are sure to show up somewhere else. Likely I'd have two power supplies, one for each channel, and I'd likely filter the power supply line at discrete points down the line to try and keep the power section of the amp from creating transients on the rail that would travel to the pre-amp section. Or maybe I'd use four power supplies, one per channel for the power amp, and one per channel for the pre-amp section.

Likely I'd parallel the main filter cap or caps with some lesser-value capacitors of different construction. If my main electrolytic was 100uF, I might parallel it with a 1uF polypropylene, then with perhaps a .01uF ceramic disk. I'm trying to remember where I read about doing this, but it is an accepted way to create a capacitance with all the benefits of each construction method.

In boatanchors, we're not dealing with signal sources that are high-fidelity nor are we using speakers capable of high-fidelity reproduction, so 10 or 20 uF is probably enough. More is a waste. I will say that any of my boatanchors sound better than my Kenwood R-1000 or Sangean ATS-909 because they've got more power and have larger speakers. Perhaps the boatanchors have more attention to the audio design - I don't know enough about it to comment.

What I don't agree with is all the flowery language they use. It goes along with the suggestions by other audiophools that one cap is "more musical" than another, or how some Amperex 6DJ8's with the "Bugle Boy" on them are somehow better than the same tube made by Amperex with the world logo on it. While I'm sure no one would disagree that perhaps a polypropylene cap is better in an audio application than say, a Black Ugly cap, calling a "Hovland MusiCup" more musical than an equivalent polypropylene cap made by Xicon is pure fantasy and rubbish.

For what it is worth, when I did have my Heathkit amplifier hooked to my CD player, I did enjoy the music more than when it was connection to my solid-state Yamaha amp with 0.025% THD. Was it because the Heathkit was "more musical" or any garbage like that? Nope, I just liked it more because I could look in the top and see the glow of the tubes making the music!

To an audiophool, music might sound better as he or she spends more money on whatever "snake oil" audio component there is.

thanks,
ben

-----Original Message-----

From: "Herbert M. Rosenthal" <herbrose@comcast.net>

Sent: 05/30/03 08:38 AM

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Hogwash and noisy power supplies.

>

> We have a music editor in the local paper (Albuquerque) who is at least as effusive and overly-eloquent as the writer of this power supply blurb.

>From the computer of Benjamin Hall.
kd5byb@earthlink.net

Message-ID: <3ED76F22.A18382B4@cox.net>
Date: Fri, 30 May 2003 07:48:01 -0700
From: Dave Hollander <n7rk@cox.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Wholesale hogwash
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

If you thought that article was ridiculous, check this out

<http://www.altmann.haan.de/tubeolator/default.htm>

Maybe that could have saved the transistor and IC business at Motorola Semiconductor

Dave N7RK

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Dave N7RK <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector Extraordinaire preferring
Hallicrafters, National and what ever else looks interesting!

Message-Id: <5.1.0.14.0.20030530095135.02165840@vuse.vanderbilt.edu>
Date: Fri, 30 May 2003 09:52:44 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>

Subject: Re: Kon-Tiki NC-173 & others

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:57 PM 5/28/2003 -0400, you wrote:

>Ahoy! I remember there was a string several years ago about the Lost
>National NC-173 receiver, but I didn't save the messages as I wasn't
>really interested in ever owning same. (I have an NC-183D.) I dimly
>recall someone writing the Kon Tiki radio disappeared in a military supply
>depot, or some such place.

?? I visited the Kon Tiki at the Heyerdahl Museum about two years ago and
an NC173 was in one of the display cases. How reliable is the story?

A. B. Bonds

End of BOATANCHORS Digest 3495
